

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)**IEEE XploreTM**
RELEASE 1.4Welcome
United States Patent and Trademark Office[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#) » [S](#)Welcome to IEEE XploreTMYour search matched **[0]** of **[804507]** documents.

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account

Print Format

You may refine your search by editing the current search expression or entering a new one the text box. Then click search Again.

(circle* or circular or annular) <sentence> (discrete <ne

[Search Again](#)

OR

Use your browser's back button to return to your original search page.

Results:

No documents matched your query.

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2002 IEEE — All rights reserved

L Number	Hits	Search Text	DB	Time stamp
1	4	4135147.pn.	USPAT; EPO; DERWENT; IBM_TDB USPAT	2002/10/23 14:52
2	4	("3611290" "3638188" "3959884" "4015240").PN.	USPAT	2002/10/23 11:34
9	468	382/100.ccls.	USPAT; EPO; DERWENT; IBM_TDB USPAT	2002/10/23 14:52
10	0	382/100.ccls. and (discrete near4 angular)	USPAT; EPO; DERWENT; IBM_TDB USPAT	2002/10/23 14:52
11	1100	discrete near4 angular	EPO; DERWENT; IBM_TDB USPAT	2002/10/23 14:52
14	3	(discrete near4 angular) same (mask\$1 or template\$1)	EPO; DERWENT; IBM_TDB USPAT	2002/10/23 15:18
15	8	5570332.URPN.	USPAT	2002/10/23 14:54
16	31	(discrete near4 angular) same (distribution)	USPAT; EPO; DERWENT; IBM_TDB USPAT	2002/10/23 15:00
17	9	("4656538" "4899234" "5140683" "5150266" "5151639" "5247498" "5268804" "5422762" "5459853").PN.	USPAT	2002/10/23 15:08
18	125	(discrete near4 angular) same (mask\$1 or template\$1 or reference\$1 or annular or circle\$1)	USPAT; EPO; DERWENT; IBM_TDB USPAT	2002/10/23 15:19
19	38	(discrete near4 angular) same (mask\$1 or template\$1 or annular or circle\$1)	EPO; DERWENT; IBM_TDB USPAT	2002/10/23 15:35
20	81	(discrete near4 angular) same (annular or circle\$1 or circular)	EPO; DERWENT; IBM_TDB USPAT	2002/10/23 15:36
21	31	(discrete near4 angular) with (annular or circle\$1 or circular)	EPO; DERWENT; IBM_TDB USPAT	2002/10/23 15:37
-	17	"744705"	EPO; DERWENT; IBM_TDB USPAT	2002/10/18 11:25
-	2	6002800.pn.	EPO; DERWENT; IBM_TDB USPAT	2002/10/22 14:16
-	6	("3717848" "4736438" "5067162" "5258924" "5488672" "5850466").PN.	USPAT	2002/10/18 11:30
-	466	382/100.ccls.	USPAT; EPO; DERWENT; IBM_TDB USPAT	2002/10/18 13:05
-	50	382/100.ccls. and ((extract\$6 or recogni\$6 or detect\$6) with coordinate\$1)	EPO; DERWENT; IBM_TDB USPAT	2002/10/18 13:23
-	0	(382/100.ccls. and ((extract\$6 or recogni\$6 or detect\$6) with coordinate\$1)) and (angular with distribution\$1)	EPO; DERWENT; IBM_TDB USPAT	2002/10/18 13:08

-	1	382/100.ccls. and (angular with distribution\$1)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 13:07
-	9	(382/100.ccls. and ((extract\$6 or recogni\$6 or detect\$6) with coordinate\$1)) and (angular with (distribution\$1 or orientation\$1 or location\$1 or direction\$1))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 13:09
-	20	382/100.ccls. and (angular near4 (distribution\$1 or orientation\$1 or location\$1 or direction\$1))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 13:25
-	13471	steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 12:10
-	274	(steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))) and ((extract\$6 or recogni\$6 or detect\$6) with coordinate\$1)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 13:24
-	1558	(steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))) and ((extract\$6 or recogni\$6 or detect\$6) with (coordinate\$1 or location\$1))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 13:24
-	6	((steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))) and ((extract\$6 or recogni\$6 or detect\$6) with coordinate\$1)) and (angular near4 (distribution\$1 or orientation\$1 or location\$1 or direction\$1))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 13:27
-	66	((steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))) and ((extract\$6 or recogni\$6 or detect\$6) with (coordinate\$1 or location\$1))) and (angular near4 (distribution\$1 or orientation\$1 or location\$1 or direction\$1))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 14:44
-	961	image\$1 with watermark\$4	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 14:07
-	113	(image\$1 with watermark\$4) and mask\$1	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 14:29
-	24	(image\$1 with watermark\$4) same mask\$1	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 14:30
-	7	((image\$1 with watermark\$4) and mask\$1) and (angular near4 (distribution\$1 or orientation\$1 or location\$1 or direction\$1))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 15:46
-	2	5659628.pn.	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 15:48
-	2	6067374.pn.	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 15:50
-	2	6370271.pn.	USPAT; EPO; DERWENT; IBM_TDB	2002/10/18 15:50

-	17	("4386432" "4823393" "5216724" "5226095" "5379093" "5440409" "5481378" "5483602" "5515451" "5533144" "5592573" "5604596" "5621810" "5647010" "5781653" "5793901" "5845008").PN.	USPAT	2002/10/18 16:04
-	13471	steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 13:01
-	30	(steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))) and (discrete with angular)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 12:58
-	216	(steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))) and (annular)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 12:59
-	17	(steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))) same (annular)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 13:02
-	19157	steganograph\$4 or ((digital\$4 or electronic\$4) with (watermark\$4 or signature\$1)) or ((data or information) near4 (hid\$5 or embed\$5))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 15:20
-	131	(steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))) same (radial)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 13:09
-	116	radial with signature\$1	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 13:11
-	39	annular with signature\$1	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 13:03
-	4	("4306644" "5080216" "5647469" "5839563").PN.	USPAT	2002/10/21 13:05
-	1	annular with watermark\$1	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 13:09
-	3	radial with watermark\$1	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 13:09
-	1	((steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$5 or embed\$5))) same (radial)) and (radial with signature\$1)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 13:11
-	6	(currency with (extract\$6 or recogni\$6 or detect\$6)) same (radial or annular or circle\$1)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 13:16
-	225	(extract\$6 or recogni\$6 or detect\$6) same (radial or annular or circle\$1 or circular or concentric) same (watermark\$1 or signature\$1)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 15:29
-	28	(extract\$6 or recogni\$6 or detect\$6) same (radial or annular or circle\$1 or circular or concentric) same (watermark\$1 or signature\$1) same (multiple or several)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 13:31

-	357	(steganograph\$4 or ((digital\$4 or electronic\$4) with (watermark\$4 or signature\$1)) or ((data or information) near4 (hid\$5 or embed\$5))) same ((spatial or relative) near4 (arrangement or orientation or distance)) or (data near4 element) or (characteristic near4 feature))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 17:36
-	80	((steganograph\$4 or ((digital\$4 or electronic\$4) with (watermark\$4 or signature\$1)) or ((data or information) near4 (hid\$5 or embed\$5))) same ((spatial or relative) near4 (arrangement or orientation or distance)) or (data near4 element) or (characteristic near4 feature)) and (radial or annular or circle\$1 or circular or concentric)	USPAT; EPO; DERWENT; IBM_TDB	2002/10/22 15:45
-	38	(steganograph\$4 or ((digital\$4 or electronic\$4) with (watermark\$4 or signature\$1)) or ((data or information) near4 (hid\$5 or embed\$5))) same ((spatial or relative) near4 (arrangement or orientation or distance)) or (characteristic near4 feature))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 18:22
-	1026	(steganograph\$4 or ((digital\$4 or electronic\$4) with (watermark\$4 or signature\$1)) or ((data or information) near4 (hid\$5 or embed\$5))) and ((spatial or relative) near4 (arrangement or orientation or distance)) or (characteristic near4 feature))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/21 18:23
-	4	("5659726" "5689587" "5721788" "5748783").PN.	USPAT	2002/10/21 18:48
-	19	("3898617" "3944978" "4053228" "4135147" "4185270" "4210899" "4227805" "4246568" "4322163" "4334241" "4441205" "4537484" "4544267" "4553837" "4569080" "4581760" "4599656" "4685145" "4783831").PN.	USPAT	2002/10/22 14:12
-	6	("3717848" "4736438" "5067162" "5258924" "5488672" "5850466").PN.	USPAT	2002/10/22 14:16
-	22	("3942154" "4191940" "4281921" "4325981" "4490846" "4547896" "4550433" "4586811" "4618257" "4628194" "4652914" "4723147" "4723149" "4728984" "4739377" "4749087" "4772958" "4797945" "4812904" "4881268" "4973851" "5010580").PN.	USPAT	2002/10/22 14:17
-	19086	382/\$.ccls.	USPAT; EPO; DERWENT; IBM_TDB	2002/10/22 15:56
-	0	382/\$.ccls. same ((characteristic\$1 or feature\$1 or angle\$1 or angul\$4) with (neighbor\$5 or relation\$6 or relative))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/22 15:54
-	3404	382/\$.ccls. and ((characteristic\$1 or feature\$1 or angle\$1 or angul\$4) with (neighbor\$5 or relation\$6 or relative))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/22 16:54
-	468	382/100.ccls.	USPAT; EPO; DERWENT; IBM_TDB	2002/10/22 15:56
-	96	382/100.ccls. and ((characteristic\$1 or feature\$1 or angle\$1 or angul\$4) with (neighbor\$5 or relation\$6 or relative))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/22 15:57

-	2306	382/\$.ccls. and ((characteristic\$1 or feature\$1 or angle\$1 or angul\$4) near5 (neighbor\$5 or relation\$6 or relative))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/22 18:09
-	115	382/\$.ccls. and (((characteristic\$1 or feature\$1 or angle\$1 or angul\$4) near5 (neighbor\$5 or relation\$6 or relative)) same (radial or annular or circle\$1 or circular or concentric))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/22 18:29
-	0	382/\$.ccls. and (((characteristic\$1 or feature\$1 or angle\$1 or angul\$4) near5 (neighbor\$5 or relation\$6 or relative)) same (discrete near4 angle))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/22 18:30
-	15	382/\$.ccls. and (((characteristic\$1 or feature\$1 or angle\$1 or angul\$4) near5 (neighbor\$5 or relation\$6 or relative)) and (discrete near4 angle))	USPAT; EPO; DERWENT; IBM_TDB	2002/10/22 19:04